CONTENTS OF VOLUME XVII

INDEX OF AUTHORS

	Page
Aishton, R. H., address by	38
Allen, E. T., article by	329-665
Andrews, Gen. C. C., article by	48
Baker, Hugh P., article by	605-719
Besley, F. W., article by	325
Blanchard, C. J., article by	701
Brown, W. R., article by	19
Bryant, R. C., article by	724
Chamberlain, Allen, article by	389
Chandler, B. A., article by	735
Chapman, C. S., article by	584
Chapman, Herman H., article by	82
Cheyney, Edward G., article by	522
Clapp, Earle H., article by	573-652
Cook, A. M., article by	674
Coolidge, P. T., article by	542
Cornwall, George M., article by	587
Cox, W. T., article by	593
Deckert, Prof. Dr. E., article by	273
Ellicott, William M., article by	317
Ellis, Don Carlos, article by	509
Emerson, Ralph Waldo (poem)	196
Gaylord, F. A., article by	741
Fitzgerald, C. W., article by	646
Gaylord, F. A., article by	741
Gifford, John, article by	474
Graves, Henry S., article by	41-111-113-525
Green, Thornton A., address	33
Griffith, E. M., article by	219
Guild, Jr., Curtis, article by	67
Hamel, A. G., article by	706
Hawes, Austin F., article by	191
Jackson, Edwin R., article by	3, 445
Kellogg, R. S., article by	348
Kirkwood, J. E., article by	479
Knapp, F. B., article by	204
Levison, J. J., article by	91-611
MacDonald, G. B., article by	549
McLaren, John, article by	731
Mell, C. D., article by	280-590-663
Moody, Frank B., article by	595
Moore, Barrington, article by	531
Moore, Sidney L., article by	145-713
Page, Thomas Nelson, article by	133
Peters, J. G., article by	383
Pettis, C. R., article by	155
Pollock, F. L., (poem)	40
Rane, F. W., article by	160
Record, Samuel J., article by	197
Rogers, D. N., article by	599
Roth, Filibert, article by	395-456
Shattuck, C. H., article by	224
Sherfesee, W. F., article by	517
Sponsler, O. L., article by	537
Start, Edwin A., article by	256
Sterling, E. A., article by	667
Tiemann, H. D., article by	206
Tierney, Dillon P., article by	656
Vincent, Harry, article by	343
Weber, W. Hoyt, article by	637
Wildes, Walter K., article by	253
Young, L. J., article by	396

GENERAL INDEX

Addresses, two—H. S. Graves 111
Adirondack Lumber Cut Decreasing 314
Aeroplanes to Protect Forests 569
Agricultural Education, course in 566
Agriculture at Cornell University 567
American Conservation 171
American Forestry Association:
- Annual meeting announcement 64
- Report of 99
- Resolutions adopted 115
- Presidency of 555

American Lumber Trades Congress 440
American Tropics, Forestry in the—John Gifford 474
Annual Forestry Council, New Hampshire's 557
Annual Meeting, Announcement of thirtieth 64
- Report of 99
- Resolutions adopted 115

Annual Seed Crop, Harvesting the—Sidney Moore 145

CONTENTS OF VOLUME XVII

INDEX OF AUTHORS

	Page
Aishton, R. H., address by	38
Allen, E. T., article by	329-665
Andrews, Gen. C. C., article by	48
Baker, Hugh P., article by	605-719
Besley, F. W., article by	325
Blanchard, C. J., article by	701
Brown, W. R., article by	19
Bryant, R. C., article by	724
Chamberlain, Allen, article by	389
Chandler, B. A., article by	735
Chapman, C. S., article by	584
Chapman, Herman H., article by	82
Cheyney, Edward G., article by	522
Clapp, Earle H., article by	573-652
Cook, A. M., article by	674
Coolidge, P. T., article by	542
Cornwall, George M., article by	587
Cox, W. T., article by	593
Deckert, Prof. Dr. E., article by	273
Ellicott, William M., article by	317
Ellis, Don Carlos, article by	509
Emerson, Ralph Waldo (poem)	196
Gaylord, F. A., article by	741
Fitzgerald, C. W., article by	646
Gaylord, F. A., article by	741
Gifford, John, article by	474
Graves, Henry S., article by	41-111-113-525
Green, Thornton A., address	33
Griffith, E. M., article by	219
Guild, Jr., Curtis, article by	67
Hamel, A. G., article by	706
Hawes, Austin F., article by	191
Jackson, Edwin R., article by	3, 445
Kellogg, R. S., article by	348
Kirkwood, J. E., article by	479
Knapp, F. B., article by	204
Levison, J. J., article by	91-611
MacDonald, G. B., article by	549
McLaren, John, article by	731
Mell, C. D., article by	280-590-663
Moody, Frank B., article by	595
Moore, Barrington, article by	531
Moore, Sidney L., article by	145-713
Page, Thomas Nelson, article by	133
Peters, J. G., article by	383
Pettis, C. R., article by	155
Pollock, F. L., (poem)	40
Rane, F. W., article by	160
Record, Samuel J., article by	197
Rogers, D. N., article by	599
Roth, Filibert, article by	395-456
Shattuck, C. H., article by	224
Sherfesee, W. F., article by	517
Sponsler, O. L., article by	537
Start, Edwin A., article by	256
Sterling, E. A., article by	667
Tiemann, H. D., article by	206
Tierney, Dillon P., article by	656
Vincent, Harry, article by	343
Weber, W. Hoyt, article by	637
Wildes, Walter K., article by	253
Young, L. J., article by	396

GENERAL INDEX

Addresses, two—H. S. Graves 111
Adirondack Lumber Cut Decreasing 314
Aeroplanes to Protect Forests 569
Agricultural Education, course in 566
Agriculture at Cornell University 567
American Conservation 171
American Forestry Association:
- Annual meeting announcement 64
- Report of 99
- Resolutions adopted 115
- Presidency of 555

American Lumber Trades Congress 440
American Tropics, Forestry in the—John Gifford 474
Annual Forestry Council, New Hampshire's 557
Annual Meeting, Announcement of thirtieth 64
- Report of 99
- Resolutions adopted 115

Annual Seed Crop, Harvesting the—Sidney Moore 145

	Page
Appalachian Bill, The passage of the	164
Appalachian Forests, The 288, 363, 381, 473, 569,	685
Appalachian Forests, The People's Possessions in the Thomas Nelson Page	133
Appropriation for the Forest Service	304
Allotment for District 4	436
Arbor Day, Catalpa by Wholesale for	313
Aspects of Forests, Public—H. S. Graves	525
Assistants Appointed, Forest	370
Associations: See Conventions	
Attack, A Flank	295
Bamboo Pulp as the Paper Material of the Future—Harry Vincent	343
Banana Stalks for Paper Pulp	697
Basket Willow Culture in Maryland—C. D. Mell	590
Basket Willow, Purple—C. D. Mell	280
Bass, Hon. Robert Perkins (Portrait)	508
Bass, Lecture by Governor	761
Better Country, The (review)—Dana W. Bartlett	629
Big Project, A	759
Biltmore Forest School, The 312, 439,	679
Boundaries Changed 60, 178,	306
Bourbon of Bourbons, A	229
Boy With the United States Foresters, The (review)—Francis Rolt-Wheeler	55
Bretton Woods, Forestry meeting at	376
Building the World's Highest Dams—C. J. Blanchard	701
Calaveras Trees, The	442
California's Unique Forest	499
California National Forests, Reforesting Burns in	467
Camera, The Pleasures of a small—R. S. Kellogg	348
Canadian Forestry Convention	62
Canadian Forest Products	503
Canadian View, A	247
"Care With Fire" Rules	435
Case of the State of Louisiana, The	414
Catalpa By Wholesale For Arbor Day	313
Chair of Forestry	566
Changes in National Forests, President Taft makes	491
Chestnut Bark Disease, The	693
City Trees and their Relation to Forestry—J. J. Levison	91
Collecting Lodge Pole Pine Seed—A. M. Cook	674
Colombian Mahogany For True Mahogany, the substitution of	756
Commercial Geography (review)—Edward Van Dyke Robinson	366
Commercial Reforestation	747
Concrete and Steel, Mine Timbers vs.	411
Conservation, American	171
European	761
In Hawaii	248
Of Natural Resources in the United States	54
Penal Institutions and	741
Congress, the Third National	557
Conservation, Penal Institutions and—F. A. Gaylord	741
Consumption of Tanning Materials	246
Convention, Canadian Forestry	62
Conventions and Associations—See Conservation; Pennsylvania Lumbermen's; Northern Hemlock and Hardwood Manufacturers; Hardwood Manufacturers; National Lumber Manufacturers'; Yellow Pine Manufacturers'; American Lumber Trades Congress; Third National Conservation Congress; New Hampshire's Annual Forestry Council; Canadian Forestry; Bretton Woods; Eastern Foresters; Public Lands Convention; North Carolina Forestry.	
Co-operation in Forest Protection—E. T. Allen	665
Co-operation With Lumbermen in New York	504
Co-operation With States in Fire Patrol—J. G. Peters	383
Cornell University New York State College of Agriculture	567
Correction, A 762,	442
Cost of Growing Timber The (review)—R. S. Kellogg	230
Council, New Hampshire's annual forestry	557
Course in Agricultural Education	566
Crawford Notch:	
To save the	119
In Danger	229
Picture 252,	293
Saved	299
Current Literature 212, 172, 230, 300, 366, 429, 487, 563, 629, 686,	753
Dams, Building the World's Highest—C. J. Blanchard	701
Deerlodge, Fire Supervision on the	494
Delaware & Hudson's Forestry Work	313

Page

Denudation and Erosion in the Southern Appalachian Region and the Monongahela Basin (review)—Leonidas Chalmers Glenn ---- 172
Development of British Forestry, The (review)—A. C. Forbes ---- 686
Difference, An Essential ---- 684
Disease, the Chestnut Bark ---- 693
Disposal of Fire Killed Timber on the Sopris National Forest—John McLaren ---- 731
Eastern Foresters, Association of (See Conventions and Associations) ---- 605
Editorial (department of magazine) ---- 51, 117, 168, 226, 294, 351, 424, 484, 555, 615, 681, 752
Education (department of magazine) ---- 120, 312, 439, 556, 566, 620, 691
Education in Forestry ---- 556
Individual Schools—See Forest Schools
Elementary School Forestry ---- 312
Encouraging Tree Planting ---- 759
Enforcing the Law ---- 758
Engelmann Spruce After Fire, Reproduction of—L. J. Young ---- 396
Essential Difference, An ---- 684
Eucalyptus Experiment, An ---- 177
Europe and America—A Comparison ---- 683
European Conservation ---- 761
Excellent Fire Control ---- 760
Experimental Wood Pulp Mill, The ---- 178
Fall Work for the Ranger ---- 498
Federal Troops and Forest Fires ---- 618
Field and Stream, articles in ---- 304
Field Work by Nebraska Forestry Students ---- 121
Fifteen New Men for Missouri College Staff ---- 566
Fighting Fires, use of telephone lines in 468
Fire Conference, the Lake States ---- 30, 52
Fire Control, Excellent ---- 760
Fire Fund, Maine's Exhausted ---- 618
Fire Killed Timber on the Sopris National Forest, disposal of—John McLaren ---- 731
Fire Legislation in New Jersey, Forest 568
Fire Losses ---- 177
Fire Patrol, Coöperation with States in—J. G. Peters ---- 383
Fire Peril, Handling the—E. T. Allen 329
Fire Protection ---- 758
Fire Protection in the National Forests (Concluded)—Earle H. Clapp 573, 652

Page

Fire Protection Plan in the Southern Appalachians, A—W. Hoyt Weber 637
Fire Supervision on the Deerlodge ---- 494
Fires, use of telephone lines in fighting 468
First Purchase for Appalachian Forests 569
Flank Attack, A ---- 295
Floods, Over-Grazing Brings ---- 757
Florida, the work in ---- 59
Florida National Forests ---- 436
Forced Issue, A ---- 354
Forest and the Farm, The ---- 214
Forest Assistants Appointed ---- 370
Forest Divided, the Wallowa ---- 436
Forest Enterprise, A Railway's—Filibert Roth ---- 395
Forest Experiment Station, The Minnesota—Dillon P. Tierney ---- 657
Forest Fire Legislation in New Jersey ---- 568
Forest Fire Season, opening of the ---- 351, 615
Forest Fires, Federal Troops and ---- 618
Forest Fires in North America—Prof. Dr. E. Deckert ---- 273
Forest Fires, some new ideas in controlling—Samuel J. Record ---- 197
Forest Fires, what Oregon is doing to prevent—C. S. Chapman ---- 585
Forest Lands, Taxation of—Edwin A. Start ---- 256
Forest Law, Under Minnesota's new—W. T. Cox ---- 593
Forest Legislation in Vermont ---- 179
Forest Legislation, State ---- 427
Forest Life and Sport in India (review) Sainthill Eardley-Wilmot ---- 428
Forest Problems of Massachusetts, Present—Allen Chamberlain ---- 389
Forest Products, Canadian ---- 503
Forest Protection, coöperation in—E. T. Allen ---- 685
Forest Protective Legislation Proposed by Wisconsin—E. M. Griffith ---- 219
Forest Ranger, The—E. R. Jackson ---- 445
Forest Ranger, the strenuous life of the ---- 463
Forest Reserve, Sunapee ---- 499
Forest Resources of Missouri ---- 63
Forest School in the Philippines, A—W. F. Sherfesee ---- 517
Forest Schools, Individual Institutions:
Biltmore Forest School ---- 312, 439, 679
Colorado College ---- 439
Colorado School of Forestry ---- 542, 691
Cornell University ---- 567
Course in Agricultural Education 566
Elementary School Forestry ---- 312

Page

Forest School for Landowners, A 555
Harvard Forest School 692
Institution in New Haven 620
Iowa State College 549, 624
Michigan Agricultural Forestry Department, Summer Term 623
Missouri, University of 691
Montana Summer Cruise, University of 312
Montana Forest School, University of 479
Nebraska Forest School, University of 537
New Hampshire State College 439
New York State Forest School 624
Pennsylvania State College Outlines a New Course of Forestry 719
Philippines, A Forest School in the 517
Forest Schools of the United States, Series:
I. University of Montana—J. E. Kirkwood, Ph.D. 479
II. College of Forestry, University of Minnesota—Edward G. Cheyney 522
III. University of Nebraska Forest School — O. L. Sponsler 537
IV. Colorado School of Forestry—P. T. Coolidge 542
V. Iowa State College—G. B. MacDonald 549
VI. University of Georgia 673
VII. Biltmore Forest School 679
Forest Service, appropriation for the 304
Forest Service, a timber deal 482
Forest Service, recent publications 756
Forest Trees, Insects Injurious to 335
Forests, Aeroplanes to Protect 569
Forests and Streamflow 403
Forests, The Appalachian 288, 381, 473
Forests of Labrador 63
Forests of the Philippines, The 687
Forestry and Horticulture, Vermont Summer School of—B. A. Chandler 735
Forestry and the Utilization of Land—Filibert Roth 456
Forestry by Pictures, teaching 546
Forestry, chair of 566
Forestry Convention, Canadian 62
Forestry Council, New Hampshire's annual 557
Forestry, education in 556

Page

Forestry in the American Tropics—John Gifford 474
Forestry in Wisconsin, Progress of—Frank B. Moody 595
Forestry, Institutions Giving Instruction in 559
Forestry Legislation, Uniform 442
Forestry Meeting at Bretton Woods, the 376, 442
Forestry, Municipal 762
Forestry Organizations, State and Local 506
Forestry Problems of Today, The—Henry S. Graves 111
Forestry Progress in New Hampshire—W. R. Brown 19
Forestry, Public Aspects of—Henry S. Graves 525
Forestry in the School, the place of—Don Carlos Ellis 509
Frontispiece:
January—Reproduction by Seeding.
February—Original Forest in North Carolina.
March—Forest in New Hampshire.
April—Plantation of Norway Spruce in Vermont.
May—The Crawford Notch.
June—Great Falls of the Potomac.
July—Looking up the Valley of Cane Creek, N. C.
August—University of Montana and the city of Missoula.
September—Governor Bass.
October—Douglas Fir in Oregon.
November—Fire Guard's House—Timber Destroyed by Forest Fire.
December—Camp at Elephant Butte, New Mexico.
Getting at Work 484
Gift to the Yale Forest School, A 248
Glenn's Report, Professor 170
Government Timber Sale and Its Conditions, A 627
Grazing and Fires in National Forests 435
Grazing Cases Decided, The 356
Grazing Examiners 177
Growing Trees From Seed—C. R. Pettis 155
Guild, Curtis—Portrait 107
Handbook of Conservation (review)—Mrs. Fred H. Tucker 231
Handling the Fire Peril—E. T. Allen 329
Hardwood Manufacturers' Association 185
Hardy Catalpas for Iowa 249

	Page
Harvesting the Annual Seed Crop—Sidney Moore	145
Hickory, Harvest of	59
History and Present Task of the American Forestry Association, The—H. S. Graves	113
History of the Pines	757
Homesteaders, relief for	685
How One National Forest is Protected—D. N. Rogers	599
Idaho Experimental Stations	759
Illinois, a small forest reserve for	313
Insects Injurious to Forest Trees	335
Instruction in Forestry, institutions giving	559
Interstate Commerce Commission, The	441
Iowa State College	624
Is Forestry Practical?	424
Kaibab, Seed Collecting on the	492
Kennebec Valley Protective Association	698
Labrador, Forests of	63
Lake States Fire Conference, the	30, 52
Land Problems and National Welfare (review)—Christopher Turnor	687
Landowners, A Forest School for	555
Lecture by Governor Bass	760
Legislation in New Jersey, Forest Fire	568
Legislation, Uniform Forestry	442
Lehigh University's Useful Work	120
Lessons From the Forest—Edwin R. Jackson	3
List of Schools	566
Lodge Pole Pine Seed, Collecting—A. M. Cook	674
Logging on a National Forest—Sidney L. Moore	713
Lost River in New Hampshire	633
Lost Trail, The (poem)—F. L. Pollock	40
Louisiana, case of the State of	414
Lumber Industry, The (Department of Magazine)	182
Lumber Industry, Report on	227, 440
Lumbering, Yale's new professorship of	620
Lumbermen and Forest Legislation—Thornton A. Green	33
Lumbermen, coöperation with in New York	504
Mahogany for True Mahogany, the Substitution of Colombian	756
Maine's Exhausted Fire Fund	618
Maryland, Basket Willow Culture in—C. D. Mell	590
Massachusetts Plantations	499
Massachusetts, Present Forest Problems of—Allen Chamberlain	389
Massachusetts, Reforestation in—F. W. Rane	160
Meeting, announcement of thirtieth annual	64
Meetings, Forestry—See Conventions.	
Michigan Agricultural College Forestry Department Summer Term	623
Microscopic Work on the structure of Wood—H. D. Tiemann	206
Mine Timbers vs. Concrete and Steel	411
Minnesota Forest Experiment Station, the—Dillon P. Tierney	657
Minnesota Law, the new	307
Minnesota's New Forest Law—W. T. Cox	593
Minnesota State Forest Service	376
Minnesota University, College of Forestry—Edward G. Cheyney	522
Mississippi River and its Wonderful Valley, the (review) — Julius Chambers	230
Missouri Chair of Forestry, University of	566
Missouri College Staff, fifteen new men for	566
Missouri's Forest Resources	63
Montana, Forest School of the University of — J. E. Kirkwood, Ph.D.	479
Montana Forestry Students, summer cruise for	312
Municipal Forestry	762
Nation and State—and Association	426
National Capital, a National Forest at the	352
National Capital Forest, a—William M. Ellicott	317
National Conservation Congress, the third	557
National Forest at the National Capital, A	352
National Forest, Disposal of Fire Killed Timber on the Sopris—John McLaren	731
National Forest, Logging on a—Sidney L. Moore	713
National Forest Work (Department of Magazine)	59, 125, 177, 235, 264, 304, 370, 435, 491, 569, 625, 685.
National Forests	60
Fire Losses and Range Use	177
Reforesting in	264

Page

Telephones on the Pecos---- 498
President Taft makes changes in 491
Reforesting Burns in California- 467
What Oregon is doing to prevent forest fires in---- 584
Utilizing troops in---- 587
How one is protected---- 599
National Lumber Manufacturers' Association, The ---- 440
Nebraska Forest School, University of—O. L. Sponsler ---- 537
Nebraska Forestry Students, field work by ---- 121
Nebraska, University of---- 566
New American Aboretum, a---- 696
New England Farmer as a Source of Supply ---- 697
New England Railroads Waking up---- 313
New England's Hope Deferred ---- 616
New Grazing Regulations ---- 236
New Hampshire State College---- 439
New Hampshire Timberland Association, the ---- 311
New Hampshire's Annual Forestry Council ---- 557
New Jersey, Forest Fire Legislation in 568
New Occasions Teach New Duties--- 117
New Opportunity, a---- 294
New York, Coöperation with Lumbermen in ---- 504
New York State College of Agriculture at Cornell ---- 567
New York State Forest School---- 624
News and Notes (Department of Magazine) ---- 62, 246, 313, 376, 442, 503, 570, 633, 695, 760.
North America, Forest Fires in—Prof. Dr. E. Deckert---- 273
North Carolina Forestry Association 180, 696
Northern Forest Protective Association 180
Northern Hemlock and Hardwood Manufacturers ---- 186
No Supply Exhaustless ---- 698
Notch Saved, the Crawford---- 299
Notice to Members---- 64
Oak as a Shade Tree, the Water—C. D. Mell ---- 663
Obstruction, Official ---- 424
Official Account of the San Bernardino Fire, an ---- 625
Official Obstruction ---- 424
Ohio State Forestry Society ---- 181
Old Time Forest Waste---- 505
Opening of the Forest Fire Season-- 351

Page

Oregon's New Forest Law---- 379
Organizations, Forestry---- 506
Ornamental Shrubs of the United States (Review)—Austin Craig Apgar ---- 687
Over-grazing Brings Floods---- 757
Ownership of Timberlands, the---- 171
Paper Material of the Future, Bamboo Pulp as the—Harry Vincent---- 343
Passage of the Appalachian Bill, the-- 164
Passing of the Pioneers, the---- 297
Pecos National Forest, Telephones on the- ---- 498
Penal Institutions and Conservation—F. A. Gaylord ---- 741
Penn State College Outlines a New Undergraduate Course in Forestry—H. P. Baker ---- 719
Pennsylvania Lumbermen's Association 187
Pennsylvania Railroad and Reforestation ---- 505
Pennsylvania's Thrifty Forest Policy-- 314
People's Possessions in the Appalachian Forests, the—Thomas Nelson Page ---- 133
Personal Word, a ---- 684
Philippines, A Forest School in the—W. F. Sherfesee ---- 517
Phillips, Frank J. ---- 314
Pictures, Teaching Forestry by---- 546
Pike National Forest, Reforestation on the—C. W. Fitzgerald---- 646
Pine Beetle, The Southern---- 633
Pine Seed, Collecting Lodge Pole---- 674
Pines, History of the---- 757
Pioneers, the Passing of the---- 297
Place of Forestry in the School, the—Don Carlos Ellis ---- 509
Plans for Buying Eastern Forest Land 235
Planting Campaign, an active---- 59
Planting for Pulp and Timber---- 298
Planting Season, Vermont---- 499
Pleasures of a Small Camera, the—R. S. Kellogg ---- 348
Pollution of Rivers and Harbors, The 484
Possessions in the Appalachian Forests, the People's — Thomas Nelson Page ---- 133
Present Forest Problems of Massachusetts—Allen Chamberlain ---- 389
Present Forestry Issues—Hon. Curtis Guild, Jr. ---- 67
Present Situation in the White Mountains ---- 118

	Page
Presidency of the American Forestry Association	555
President Taft Makes Changes in National Forests	491
Prevention of Forest Fires in Minnesota—Gen. C. C. Andrews	48
Principles of Handling Woodlands, the (review)—Henry S. Graves	365
Principles of Scientific Management (review)—Frederick W. Taylor	629
Products, Canadian Forest	503
Professor Glenn's Report	170
Professorship of Lumbering, Yale's new	620
Progress of Forestry in Wisconsin—Frank B. Moody	595
Protection in the National Forests, fire—Earle H. Clapp	573, 652
Protection of Forests from fire, the—H. S. Graves	41
Protective Associations, Timberland—E. A. Sterling	667
Pruning of White Pine, the—F. B. Knapp	204
Public Aspects of Forestry—H. S. Graves	525
Publications of the United States Geological Survey	249
Pulp and Timber, Planting for	298
Purple Basket Willow—C. D. Mell	280
Railroads Waking Up, New England	313
Railways and Forest Protection—R. H. Aishton	38
Railway's Forest Enterprise, a—Filibert Roth	395
Ranger Course at Colorado School of Forestry	691
Ranger, Fall Work for the	498
Ranger, the Forest—E. R. Jackson	445
Ranger, the Strenuous Life of the	463
Recent Publications—See Current Literature.	
Reforestation, Commercial	747
Reforestation in Massachusetts—F. W. Rane	160
Reforestation on the Pike National Forest—C. W. Fitzgerald	646
Reforestation, Studies for—A. G. Hamel	706
Reforestation, the Pennsylvania Railroad and	505
Reforesting Burns in California National Forests	467
Reforesting in the National Forests (pictures)	263
Relief for Homesteaders	685
Report by Professor Glenn	170
Report of the Forester for 1912	125
Report of Thirtieth Annual Meeting	99
Report on Standing Timber, Commissioner Smith's	182
Report on the Lumber Industry	227
Reports and Bulletins—See Current Literature.	
Reproduction of Engelmann Spruce After Fire—L. J. Young	396
Resignation of District Forester Chapman	177
Resolutions Adopted at Thirtieth Annual Meeting, American Forestry Association	115
Reviews, Book	54, 55, 172, 230, 231, 365, 366, 429, 629, 686, 687, 688.
Rivers and Harbors, the Pollution of	484
San Bernardino Fire, an official Account of the	625
Saw Mill, Uncle Sam's One	570
School in the Philippines, a Forest—W. F. Sherfesee	517
School, the Place of Forestry in the—Don Carlos Ellis	509
Schools, List of Forest	566
Scientific Management and the Lumber Industry—R. C. Bryant	724
Secretaryship of the Interior, the	228
Seed Collecting on the Kaibab	943
Seed Eating Animals on the Tahoe	497
Shade Tree, the Water Oak as a—C. D. Mell	663
Shade Trees in Towns and Cities (review)—William Solotaroff	429
Shall States Regulate the Management of Private Forest—H. H. Chapman	82
Sihlwald, the—Barrington Moore	531
Silence Broken, a	682
Small Forest Reserve for Illinois, a	313
Some New Ideas in Controlling Forest Fires—Samuel J. Record	197
Some Things a Forest Ranger Should Know—C. H. Shattuck	224
Sopris National Forest, Disposal of Fire Killed Timber on the—John McLaren	731
Southern Appalachian Rivers, the	246
Southern Appalachians, a fire Protection Plan in the—W. H. Weber	637
Southern Pine Beetle, the	633
Spruce After Fire, Reproduction of Engelmann—L. J. Young	396

	Page
Standing Timber, Commissioner Smith's Report on	182
State College, Iowa	624
State Control of Private Property	313
State Forest Legislation	427
State Forest Service, Minnesota	376
State Forestry,—Its Relation to Conservation	743
State Forests in Vermont—Walter K. Wildes	253
State Ownership of Forests—Austin F. Hawes	191
State Work:	
California	182, 306, 499
Florida	59, 436, 437
Hawaii	248
Illinois	502
Iowa	249
Maine	237, 306
Massachusetts	60, 437, 499, 694
Michigan	306
Minnesota	307, 376
Nebraska	180
New Hampshire	61, 53, 311, 438, 499, 694
New York	182, 438, 693
North Carolina	180
Ohio	181
Oregon	239, 311, 377
Pennsylvania	61, 238, 693
Vermont	179, 238, 501
Washington	439
West Virginia	61
Wisconsin	438, 500
State Work (Department of Magazine)	60 179, 237, 246, 308, 437, 499, 568, 693, 758
State's Upbuilding, a	53
Statistics, a Suggestion for Fuller	53
Status of Weeks Bill	51
Stream Flow, Surface Conditions and	371
Stream Flow, Forests and	403
Street Trees—J. J. Levison	611
Strenuous Life of the Forest Ranger, the	463
Studies for Reforestation—A. G. Hamel	706
Substitution of Colombian Mahogany for true Mahogany	756
Suggestion for Fuller Statistics, a	53
Summer Meeting of Eastern Foresters, the—Hugh P. Baker	605
Summer Term, Michigan Agricultural College, Forestry Department	623
Sunapee Forest Reserve	499
Supervision on the Deerlodge, Fire	494
Supervisors' Meeting, A	128
Supreme Court Decisions, the	353
Surface Conditions and Stream Flow	371
Tahoe, Seed Eating Animals on the	497
Taking Stock, Wisconsin	500
Taxation of Forest Lands—Edwin A. Start	256
Teaching Forestry by Pictures	546
Telephone Lines, Use of in Fighting Fires	468
Telephones on the Pecos National Forest	498
Third National Conservation Congress,	557, 681, 695
Thirtieth Annual Meeting:	
Announcement of	64
Report of	99
Resolutions Adopted	115
Timber Deal, a Forest Service	482
Timber Sale and its Conditions, a Government	627
Timberland Protective Associations—E. A. Sterling	667
To Get in Under New Law	249
To Save the Crawford Notch	119
Trail, The Lost (poem)—F. L. Pollock	40
Tree Planting, Encouraging	759
Trees and How to Know Them (review)—W. A. Lambeth	687
Trees, Street—J. J. Levison	611
Troops in the National Forests, Utilizing—George M. Cornwall	587
Tropics, Forestry in, the American—John Gifford	475
Two Addresses—H. S. Graves	111
Two Conventions	681
Uncle Sam Owns Much Timber but has only one Saw Mill	570
Under Minnesota's new Forest Law—W. T. Cox	593
Undergraduate Course in Forestry, Penn State College Outlines a new—H. P. Baker	719
Unfriendly Appointment, an	227
Uniform Forestry Legislation	442
Unique Forest, California's	499
University of Missouri, the	691
University of Montana Forest School	479
University of Montana Summer Cruise	312
University of Nebraska	566
University of Vermont	624
Use of Odd Lengths, the	629
Use of Poles in 1909	62
Use of Telephone Lines in Fighting Fires	468
Utilization of Forest Waste	63

	Page
Utilization of Land, Forestry and the—Filibert Roth	456
Utilizing Troops in the National Forests—George M. Cornwall	587
Value of Windbreaks	756
Vermont Planting Season	501
Vermont, State Forests in—Walter K. Wildes	253
Vermont, Summer School of Forestry and Horticulture—B. A. Chandler	735
Vermont, University of	624
Wallowa Forest Divided	436
Waste, Old Time Forest	505
Water Oak as a Shade Tree, the—C. D. Mell	663
Weeks Bill	51, 62, 168
Weeks Bill, Its constitutional aspect	169, 170
Weeks Bill, Work under	22
Weeks Bill, Plans for buying land	235
Weeks Bill, Putting into operation	288
Weeks Bill, The Appalachian forest	473
What Oregon is Doing to Prevent Forest Fires—C. S. Chapman	584
White Mountains, the Present Situation in	118
Willow Culture in Maryland, Basket—C. D. Mell	590
Willow, Purple Basket—C. D. Mell	280
Wisconsin, Forest Protective Legislation Proposed by—E. M. Griffith	219
Wisconsin, Progress of Forestry in—Frank B. Moody	595
Wisconsin Taking Stock	500
Woodnotes (poem) — Ralph Waldo Emerson	196
Woodworking Safeguards for the Prevention of Accidents in Lumbering and Woodworking Industries (review)—David Van Schaack	687
Work Under the New Forest Law	226
Yale's New Professorship of Lumbering	620
Yellow Pine Manufacturers' Association, the	440

ge
584
118
590
280
219
595
500
196
687
226
620
440